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PTO/SB/21 (09-04)

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Total Number of Pages in This Submission

Application Number	09/745,825
Filing Date	December 21, 2000
First Named Inventor	CHISHTI, MUHAMMAD
Art Unit	2671
Examiner Name	VO, CLIFF N
Attorney Docket Number	018563-002500US

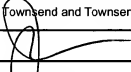
ENCLOSURES (Check all that apply)

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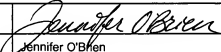
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Townsend and Townsend and Crew LLP		
Signature			
Printed name	James M. Heslin		
Date	August 19, 2005	Reg. No.	29,541

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TOWNSEND and TOWNSEND and CREW LLP

By

Jennifer O'Brien
Jennifer O'Brien

PATENT
Attorney Docket No.: 018563-002500US
Client Reference No.: AT-00097

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

CHISHTI, Muhammad et al.

Application No.: 09/745,825

Filed: December 21, 2000

For: CLINICIAN REVIEW OF AN
ORTHODONTIC TREATMENT PLAN
AND APPLIANCE

Customer No.: 46718

Examiner: VO, CLIFF N

Art Unit: 2671

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER 37
CFR §1.97 and §1.98

Commissioner for Patents
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Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 1287 OG 163] are enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

08/24/2005 CNGUYEN2 00000008 201430 09745825

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As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

James M. Heslin
Reg. No. 29,541

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

11

Complete if Known

Application Number	09/745,825
Filing Date	December 21, 2000
First Named Inventor	CHISHTI, MUHAMMAD
Art Unit	2671
Examiner Name	VO, CLIFF N
Attorney Docket Number	018563-002500US

U.S. PATENT DOCUMENTS+

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/P.N./	1	3,407,500		10-29-1968	Kesling	
	2	3,600,808		08-24-1971	Reeve	
	3	3,683,502		08-15-1972	Wallshein.	
	4	3,983,628		10-05-1976	Acevedo	
	5	3,922,786		12-02-1975	Lavin	
	6	4,253,828		03-03-1981	Coles et al.	
	7	4,324,547		04-13-1982	Arcan et al.	
	8	4,500,294		02-19-1985	Lewis	
	9	4,526,540		07-02-1985	Dellinger	
	10	4,575,330		03-11-1986	Hull	
	11	4,591,341		05-27-1986	Andrews	
	12	4,609,349		09-02-1986	Cain	
	13	4,664,626		05-12-1987	Kesling	
	14	4,676,747		06-30-1987	Kesling	
	15	4,836,778		06-06-1989	Baumrind et al.	
	16	4,850,865		07-25-1989	Napolitano	
	17	4,877,398		10-31-1989	Kesling	
	18	4,880,380		11-14-1989	Martz	
	19	4,889,238		12-26-1989	Batchelor	
	20	4,890,608		01-02-1990	Steer	
	21	4,935,635		06-19-1990	O'Harra,	
	22	4,941,826		07-17-1990	Loran et al.	
	23	4,983,334		01-08-1991	Adell	
	24	5,125,832		06-30-1992	Kesling	
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	26	5,145,364		09-08-1992	Martz et al.	
	27	5,176,517		01-05-1993	Truax	
	28	5,440,326		08-08-1995	Quinn	
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	30	5,562,448		10-08-1996	Mushabac	
	31	5,645,420		07-08-1997	Bergersen	
	32	5,692,894		12-02-1997	Schwartz et al.	
	33	5,725,376		03-10-1998	Poirier	
	34	5,725,378		03-10-1998	Wang	
	35	5,742,700		04-21-1998	Yoon et al.	
	36	5,799,100		08-25-1998	Clarke et al.	
	37	5,800,174		09-01-1998	Andersson	
	38	5,823,778		10-20-1998	Schmitt et al.	
	39	5,848,115		12-08-1998	Little et al.	
	40	5,857,853		01-12-1999	van Nifterick et al.	
/P.N./	41	5,866,058		02-02-1999	Batchelder et al.	
Examiner Signature	/Phu Nguyen/			Date Considered	08/04/2008	

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/745,825
		Filing Date	December 21, 2000
		First Named Inventor	CHISHTI, MUHAMMAD
		Art Unit	2671
		Examiner Name	VO, CLIFF N
Sheet	2	of	11
		Attorney Docket Number	018563-002500US

U.S. PATENT DOCUMENTS+						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
/P.N./	42	5,879,158		03-09-1999	Doyle et al.	
	43	5,880,961		03-09-1999	Crump	
	44	5,880,962		03-09-1999	Andersson et al.	
	45	5,934,288		08-10-1999	Avila et al.	
	46	5,957,686		09-28-1999	Anthony	
	47	5,964,587		10-12-1999	Sato	
	48	5,971,754		10-26-1999	Sondhi et al.	
	49	6,015,289		01-18-2000	Andreiko et al.	
	50	6,044,309		03-28-2000	Honda	
	51	6,049,743		04-11-2000	Baba	
	52	6,062,861		05-16-2000	Andersson	
	53	6,068,482		05-30-2000	Snow	
	54	6,099,314		08-08-2000	Kopelman et al.	
	55	6,123,544		09-26-2000	Clery	
	56	6,152,731		11-28-2000	Jordan et al.	
	57	6,183,248		02-06-2001	Chishti et al.	
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	59	6,217,334		04-17-2001	Hultgren	
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	61	6,309,215		10-30-2001	Phan et al.	
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	64	6,350,120		02-26-2002	Sachdeva et al.	
	65	6,382,975		05-07-2002	Poirier	
	66	6,398,548		06-04-2002	Muhammad et al.	
	67	6,524,101		02-25-2003	Phan et al.	
	68	6,554,611		04-29-2003	Chishti et al.	
	69	2002/0006597		01-17-2002	Andreiko et al.	
/P.N./	70	RE 35169		03-05-1996	Lemchen et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
/P.N./	71	AU	517102		07-09-1981	Hito Suyehiro		<input type="checkbox"/>
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	73	AU	5598894		06-08-1994	Ormco Corp		<input type="checkbox"/>
	74	CA	1121955		04-20-1982	Suyehiro Hito		<input type="checkbox"/>
	75	DE	2749802		05-11-1978	Suyehiro Hito		<input checked="" type="checkbox"/>
/P.N./	76	DE	69327661		07-20-2000	Ormco Corp		<input checked="" type="checkbox"/>
Examiner Signature	/Phu Nguyen/				Date Considered	08/04/2008		

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		Filing Date	December 21, 2000
		First Named Inventor	CHISHTI, MUHAMMAD
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	83	EP	0774933		05-28-1997	Sandvik AB		<input type="checkbox"/>
	84	EP	0731673		09-18-1996	Nobel Biocare AB		<input type="checkbox"/>
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	86	FR	2652256		03-29-1991	Jourda		<input checked="" type="checkbox"/>
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	88	JP	04-028359		01-30-1992	Mitsubishi Petrochemical Co		<input checked="" type="checkbox"/>
	89	JP	53-058191		05-25-1978	Yoshii		<input checked="" type="checkbox"/>
	90	JP	08-508174		09-03-1996	Ormco Corp		<input checked="" type="checkbox"/>
	91	WO	90/08512		08-09-1990	Dolphin Imaging System		<input type="checkbox"/>
	92	WO	91/04713		04-18-1991	Jourda et al.		<input type="checkbox"/>
	93	WO	98/32394		07-30-1998	Hultgren Bruce Willard		<input type="checkbox"/>
	94	WO	98/44865		10-15-1998	Nobel Biocare AB		<input type="checkbox"/>
/P.N./	95	WO	98/58596		12-30-1998	Align Technology Inc		<input type="checkbox"/>

Examiner Signature	/Phu Nguyen/	Date Considered	08/04/2008
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60563802 v1

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Sheet	4	of	11

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/P.N./	96	ALEXANDER et al., The DigiGraph Work Station Part 2, Clinical Management, JCO (July 1990), pp. 402-407.	
	97	ALTSCHULER et al, Measuring Surfaces Space-Coded by a Laser-Projected Dot Matrix, SPIE Imaging Applications for Automated Industrial Inspection and Assembly, Vol. 182 (1979), p. 187-191.	
	98	ALTSCHULER et al., "Analysis of 3-D Data for Comparative 3-D Serial Growth Pattern Studies of Oral-Facial Structures," IADR Abstracts, Program and Abstracts of Papers, 57th General Session, IADR Annual Session, March 29, 1979 - April 1, 1979, New Orleans Marriot, Journal of Dental Research, Vol. 58, January, 1979, Special Issue A, p. 221.	
	99	ALTSCHULER et al., Laser Electro-Optic System for Rapid Three-Dimensional (3D) Topographic Mapping of Surfaces, Optical Engineering, Vol. 20, No. 6, (1981), pp. 953-961.	
	100	ALTSCHULER, 3D Mapping of Maxillo-Facial Prosthesis, AADR Abstract #607, 1980, 2 pages total..	
	101	AMERICAN ASSOCIATION FOR DENTAL RESEARCH, Summary of Activities, March 20-23, 1980, Los Angeles, CA, p. 195.	
	102	ANDERSSON et al., Clinical Results with Titanium Crowns Fabricated with Machine Duplication and Spark Erosion, Acta Odontologica Scandinavica, Vol. 47 (1989), pp. 279-286.	
	103	ANDREWS, The Six Keys to Optimal Occlusion Straight Wire, Chapter 3, pp 13-24. 1972	
	104	BAUMRIND et al., A Stereophotogrammetric System for the Detection of Prosthesis Loosening in Total Hip Arthroplasty, NATO Symposium on Applications of Human Biostereometrics, July 9-13, 1978, SPIE, Vol. 166, pp. 112-123.	
	105	BAUMRIND et al., Mapping the Skull in 3-D, Reprinted from The Journal, California Dental Association, Vol. 48, No. 2 (1972 Fall Issue) 11 pages total.	
	106	BAUMRIND, "A System for Craniofacial Mapping Through the Integration of Data from Stereo X-Ray Films and Stereo Photographs," An invited paper submitted to the 1975 American Society of Photogram. Symposium on Close-Range Photogram. Systems, University of Ill., Aug. 26-30, 1975, pp. pp.142-166.	
	107	BAUMRIND, Integrated Three-Dimensional Craniofacial Mapping: Background, Principles, and Perspectives, Seminars in Orthodontics, Vol. 7, No. 4 (Dec. 2001), pp. 223-232.	
/P.N./	108	BEGOLE et al., A Computer System for the Analysis of Dental Casts, The Angle Orthodontist, Vol. 51 No. 3 (July 1981), pp. 253-259.	

Examiner Signature	/Phu Nguyen/	Date Considered	08/04/2008
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			Filing Date	December 21, 2000	
			First Named Inventor	CHISHTI, MUHAMMAD	
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Sheet	5	of	11	Attorney Docket Number	018563-002500US

NON PATENT LITERATURE DOCUMENTS				
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/P.N./	109	BERNARD et al., "Computerized Diagnosis in Orthodontics for Epidemiological Studies: A Progress Report, Paper presented at International Association for Dental Research 68th General Session, March 9-13, 1988, Montreal, Canada. The abstract is published in <i>J Dental Res Special Issue</i> Vol. 67, p. 169.		
	110	BHATIA et al, A Computer-Aided Design for Orthognathic Surgery, <i>British Journal of Oral and Maxillofacial Surgery</i> , Vol. 22 (1984), pp. 237-253.		
	111	BIGGERSTAFF et al., Computerized Analysis of Occlusion in the Postcanine Dentition, <i>American Journal of Orthodontics</i> , Vol. 61, No. 3 (Mar. 1972), pp. 245-254.		
	112	BIGGERSTAFF, Computerized Diagnostic Setups and Simulations, <i>The Angle Orthodontist</i> , Vol. 40, No. 1 (Jan. 1970), pp. 28-36.		
	113	BIOSTAR OPEATION & TRAINING MANUAL. Great Lakes Orthodontics, Ltd. 199 Fire Tower Drive, Tonawanda, New York. 14150-5890. 20 pages total 1 990		
	114	BOYD et al., Three Dimensional Diagnosis and Orthodontic Treatment of Complex Malocclusions With the Invisalign Appliance, <i>Seminars in Orthodontics</i> , Vol. 7, No. 4 (Dec. 2001), p. 274-293.		
	115	BRANDESTINI et al., Computer Machined Ceramic Inlays: In Vitro Marginal Adaptation, <i>Journal of Dental Research</i> , Vol. 64/Special Issue/Abstracts, IADR/AADR Abstracts 1985, p. 208		
	116	BROOK et al., An Image Analysis System for the Determination of Tooth Dimensions from Study Casts: Comparison with Manual Measurements of Mesio-distal Diameter, <i>J Dent Res.</i> , Vol. 65, No. 3, March 1986, pp. 428-431.		
	117	BURSTONE (interview), Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 1), <i>Journal of Clinical Orthodontics</i> , (1979 Jul), Vol. 13, No. 7, pp. 442-53.		
	118	BURSTONE (interview), Dr. Charles J. Burstone on The Uses of the Computer in Orthodontic Practice (Part 2), <i>Journal of Clinical Orthodontics</i> , (1979 Aug), Vol. 13, No. 8, pp. 539-51.		
	119	BURSTONE et al., Precision Adjustment of the Transpalatal Lingual Arch: Computer Arch Form Predetermination, <i>Am. Journal of Orthodontics</i> , Vol. 79, No. 2 (Feb. 1981), pp. 115-133.		
	120	CARDINAL INDUSTRIAL FINISHES, Powder Coatings information posted at http://www.cardinalpaint.com on Aug. 25, 2000, 2 pages total.		
	121	CHACONAS et al., The DigiGraph Work Station, Part 1, Basic Concepts, <i>JCO</i> (June 1990), pp. 360-367.		
/P.N./	122	CHAFETZ et al., Subsidence of the Femoral Prosthesis, A Stereophotogrammetric Evaluation, <i>Clinical Orthopedics and Related Research</i> , No. 201 (December 1985), pp. 60-67.		

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/P.N./	123	CRAWFORD, CAD/CAM in the Dental Office: Does It Work? <i>Canadian Dental Journal</i> , Vol. 57, No. 2 (Feb. 1991), pp. 121-123.		
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		<i>Art Unit</i>	2671
		<i>Examiner Name</i>	VO, CLIFF N
		<i>Attorney Docket Number</i>	018563-002500US
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